



PTO/SB/08a (08-03)

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/574,405
				Filing Date	March 31, 2006
				First Named Inventor	Ehud GAZIT et al
				Art Unit	1645
				Examiner Name	Not Yet Assigned
Sheet	1	of	10	Attorney Docket Number	31689
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date DD-MMM-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-2001/041732	15-Nov-2001	Gurley et al.	
	2	US-2002/006954	17-Jan-2002	Hensley et al	
	3	US-2002/0086067	04-Jul-2002	Choi et al.	
	4	US-2002/0151506	17-Oct-2002	Castillo et al.	
	5	US-2003/0225155	04-Dec-2003	Fernandez-Pol et al.	
	6	US-2003/158237	21-Aug-2003	Saragovi et al.	
	7	US-2004/029830	12-Feb-2004	Herbert	
	8	US-2004/152672	05-Aug-2004	Carson et al.	
	9	US-2005/0069950	31-Mar-2005	Haynie	
	10	US-2006/0079454	13-Apr-2006	Reches et al.	
	11	US-2006/0194777	31-Aug-2006	Gazit et al.	
	12	US-2006/0234947	19-Oct-2006	Gazit	
	13	US-2007/0021345	25-Jan-2007	Gazit	
	14	US-2,920,080	05-Jan-1965	Bucourt et al	
	15	US-3,042,685	03-Jul-1962	Roussel	
	16	US-3,625,973	07-Dec-1971	Julia	
	17	US-3,790,596	05-Feb-1974	Shkilkova et al	
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	27	US-5,013,556	07-May-1991	Woodle et al.	
	28	US-5,270,163	14-Dec-1993	Gold et al.	
	29	US-5,304,470	19-Apr-1994	Fischer et al.	
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		Number-Kind Code ² (if known)			
	30	US-5,332,648	26-Jul-1994	Kihara et al.	
	31	US-5,475,096	12-Dec-1995	Gold et al.	
	32	US-5,545,806	13-Aug-1996	Lonberg et al	
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	53	US-6,593,339	15-Jul-2003	Eek et al.	
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	58	US-6,858,318	22-Feb-2005	Kogiso et al.	
	59	US-6,976,639	20-Dec-2005	Williams et al.	
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	60	US-7,045,537	16-May-2006	Woolfson et al.		
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Documents	Publication Date DD-MMM-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	61	JP 02-295923	06-Dec-1990	Taiyo		
	62	EP 0421946	10-Apr-1991	Politi et al		
	63	JP 10-245342	14-Sep-1998	Araya et al.		
	64	JP 63-044895	25-Feb-1988	Kyowa Hakko Kogyo		
	65	EP 966,975	07-Sep-2005	Kohnno et al.		
	66	PCT WO 00/24390	04-May-2000	Reiner et al.		
	67	PCT WO 01/45726	28-Jun-2001	Schmitz		
	68	PCT WO 01/49281	12-Jul-2007	Castillo et al.		
	69	PCT WO 01/49307	12-Jul-2001	Castillo et al.		
	70	PCT WO 02/072086	19-Sep-2002	Suzuki		
	71	PCT WO 02/094857	28-Nov-2002	Gutheil et al.		
	72	PCT WO 03/013442	20-Feb-2003	Castillo et al.		
	73	PCT WO 03/024443	27-Mar-2003	Martynyuk et al		
	74	PCT WO 03/039540	15-May-2003	Heefner et al.		
	75	PCT WO 03/070269	28-Aug-2003	Schraermeyer		
	76	PCT WO 03/077866	25-Sep-2003	Ash et al.		
	77	PCT WO 2005/016339	24-Feb-2005	Landreth et al		
	78	PCT WO 2005/020809	10-Mar-2005	Owen et al.		
	79	PCT WO 2005/027901	31-Mar-2005	Gazit et al.		
	80	PCT WO 2005/085867	15-Sep-2005	Taniguchi et al.		
	81	PCT WO 2006/006172	19-Jan-2006	Gazit et al.		
	82	PCT WO 2006/013552	09-Feb-2006	Gazit et al.		
	83	PCT WO 2006/018850	23-Feb-2006	Gazit et al.		
	84	PCT WO 2006/020681	23-Feb-2006	Banerjee		
	85	PCT WO 2006/027780	16-Mar-2006	Reches et al.		
	86	PCT WO 2007/029003	15-Mar-2007	Ulijn et al.		
	87	PCT WO 2007/043048	19-Apr-2007	Gazit et al.		
	88	PCT WO 97/16191	09-May-1997	Hays et al.		
	89	PCT WO 98/20135	14-May-1998	Fitzgerald et al.		
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Sheet

4

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
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	92	Altland et al. "Potential Treatment of Transthyretin-Type Amyloidoses by Sulfite", Neurogenetics, 2: 183-188, 1999.			
	93	Appukkuttan et al. "Microwave Enhanced Formation of Electron Rich Arylboronates", Synlett, 8: 1204-1206, 2003. Figs. Scheme 4, Compounds 5A, 5B, 5C, 5D.			
	94	Azriel et al. "Analysis of the Minimal Amyloid-Forming Fragment of the Islet Amyloid Polypeptide", The Journal of Biological Chemistry, 276(36): 34156-34161, 2001.			
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	98	Chapman et al. "Role of Escherichia Coli Curli Operons in Directing Amyloid Fiber Formation", Science, 295(5556): 851-855, 2002, Abstract.			
	99	Cherny et al. "The YefM Antitoxin Defines A Family of Natively Unfolded Proteins", The Journal of Biological Chemistry, 279(9): 8252-8261, 2004.			
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	105	Engelberg-Kulka et al. "Bacterial Programmed Cell Death Systems as Targets for Antibiotics", Trends in Microbiology, 12(2): 66-71, 2004.			
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	109	Grady et al. "Axe-Txe, A Broad-Spectrum Proteic Toxin-Antitoxin System Specified by A Multidrug-Resistant, Clinical Isolate of Enterococcus Faecium", Molecular Biology, 47(5): 1419-1432, 2003. Abstract, P.1424, Col.1 - P.1426, Col.2, Fig.5.			
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	112	Hoyle et al. "Pseudomonas Aeruginosa Biofilm as A Diffusion Barrier to Piperacillin", Antimicrobial Agents and Chemotherapy, 36(9): 2054-2056, 1992.			
	113	Huang et al. "A Review on Polymer Nanofibers by Electrospinning and Their Applications in Nanocomposites", Composites Science and Technology, 63: 2223-2253, 2003.			
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	115	Jack et al. "The Organization of Aromatic Side Groups in An Amyloid Fibril Probed by Solid-State 2H and 19F NMR Spectroscopy", Journal of the American Chemical Society, JACS, 128: 8098-8099, 2006.			
	116	Jayawarna et al. "Nanostructured Hydrogels for Three-Dimensional Cell Culture Through Self-Assembly of Fluorenylmethoxycarbonyl-Dipeptides", Advanced Materials, 18: 611-614, 2006.			
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	117	Jin "Electrospinning Bombyx Mori Silk With Poly (Ethylene Oxide)" Biomacromolecules, 3: 1233-1239, 2002.			
	118	Kaplan "Fibrous Proteins-Silk as a Model System", Polymer Degradation and Stability, 59: 25-32, 1998.			
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	120	Kisilevsky et al. "Arresting Amyloidosis In Vivo Using Small-Molecule Anionic Sulphonates or Sulphates: Implications for Alzheimer's Disease", Nature Medicine, 1: 143-148, 1995. Abstract.			
	121	Kocisko et al. "New Inhibitors of Scrapie-Associated Prion Protein Formation in A Library of 2,000 Drugs and Natural Products", Journal of Virology, 77(19): 10288-10294, 2003.			
	122	Kon-Ya et al "Indole Derivatives as Potent Inhibitors of Larval Settlement by the Barnacle, Balanus Amphitrite", Bioscience Biotechnology Biochemistry, JP, 58(12): 2178-2181, 1994. Compound 102.			
	123	Kubik "High-Performance Fibers from Spider Silk", Angewandte Chemie, International Edition, 41(15): 2721-2723, 2002.			
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	126	Lee et al. "Anti-Diabetic Constituent From the Node of Lotus Rhizome (Nelumbo Nucifera Gaertn)", Natural Product Sciences, 7(4), 107-109, 2001. P.108, Col.1, Last § - Col.2, § 1.			
	127	Lee et al. "Virus-Based Fabrication of Micro- and Nanofibers Using Electrospinnig" Nano Letters, 4(3): 387-390, 2004.			
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				Application Number	10/574,405
				Filing Date	March 31, 2006
				First Named Inventor	Ehud GAZIT et al
				Art Unit	1645
				Examiner Name	Not Yet Assigned
Sheet	8	Of	10	Attorney Docket Number	31689
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	129	Losert et al. "Effect of Indole 3 Alkanecarboxylic Acids on Glucose Utilization in Rats" Arzneimittel-Forschung/Drug Research, 25(6): 880-887, 1975. P.880, Col.1, § 6, P.886, Col.2, § 4, 5, P.887, Col.1, § 3.			
	130	Mah et al. "A Genetic Basis for Pseudomonas Aeruginosa Biofilm Antibiotic Resistance", Nature, 426: 306-310, 2003.			
	131	Mahler et al. "Rigid, Self-Assembled Hydrogel Composed of A Modified Aromatic Dipeptide", Advanced Materials, 18(11): 1365-1370, 2006.			
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	140	Reches et al. "Designed Aromatic Homo-Dipeptides: Formation of Ordered Nanostructures and Potential Nanotechnological Applications", Physical Biology, 3: S10-S19, 2006.				
	141	Reches et al. "Self-Assembly of Peptide Nanotubes and Amylois-Like Structures by Charged-Termini-Capped Diphenylalanine Peptide Analogues", Israel Journal of Chemistry, 45(3): 363-371, 2005.				
	142	Reches et al. "Supporting Online Material", Science, 300(5619): 1-9, 2003. Retrieved From the Internet: URL: http://www.sciencemag.org/cgi/data/300/5619/625/DC1				
	143	Sacchettini et al. "Therapeutic Strategies for Human Amyloid Diseases", Nature Reviews, 1: 267-275, 2002.				
	144	Stewart "Theoretical Aspects of Antibiotic Diffusion Into Microbial Biofilms", Antimicrobial Agents and Chemotherapy, 40(11): 2517-2522, 1996.				
	145	Toledano et al. "Enzyme-Triggered Self-Assembly of Peptide Hydrogels Via Reversed Hydrolysis", Journal of the American Chemical Society, JACS, 128(4): 1070-1071, 2006.				
	146	True et al. "Epigenetic Regulation of Translation Reveals Hidden Genetic Variation to Produce Complex Traits", Nature, 431: 184-187, 2004.				
	147	Tsai et al. "Synthesis of AIB-Containing Peptidomimetics as Potential Inhibitors of Alzheimer's γ -Secretase", 218th ACS National Meeting, New Orleans, USA, Meeting Abstract, MEDI-018, 1999. Abstract.				
	148	Tsang et al. "A Simple Chemical Method of Opening and Filling Carbon Nanotubes", Nature, 372: 159-162, 1994.				
	149	Tuite et al. "Propagation of Yeast Prions", Nature Reviews, 4: 878-889, 2003.				
	150	Vauthey et al. "Molecular Self-assembly of Surfactant-Like Peptides to form Nanotubes and Nanovesicles", PNAS, 99(8): 5355-5360, 2002.				
	151	Westwater et al. "Use of Genetically Engineered Phage to Deliver Antimicrobial Agents to Bacteria: An Alternative Therapy for Treatment of Bacterial Infections", Antimicrobial Agents and Chemotherapy, 47 (4): 1301-1307, 2003.				
	152	Yokoi et al. "Dynamic Reassembly of Peptide RADA16 Nanofiber Scaffold", Proc. Natl. Acad. Sci. USA, 102(24): 8414-8419, 2005.				
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